

**COURSE TITLE: GASTRO PATHOLOGY, BIOPSY & Upper GIT ENDOSCOPY
AND CLINICAL PRACTICE**

STUDY HOURS: 60+160

PAPER: 01

Term : 4th

MARKS

THEORY 120

PRACTICAL: 30

TIME: 03HRS

**COURSE CONTENTS STUDY HOURS
(Theory +Practical)**

A. PATHOLOGY OF GASTROENTROLOGY TRACT (Brief Introduction) 20+20

- A1. Dyspepsia.
- A2. Ulcers (Gastric, Duodenal).
- A3. Malignancies.
- A4. Infections (Protozoal, Bacterial, Viral, Fungal).
- A5. Sphincteric dysfunction.
- A6. Motility disorder.
- A7. Congenital anomalies.
- A8. Inflammatory bowel diseases
- A9. Chronic diarrhea
- A10. Mal-absorption syndromes
- A11. Polyps

B. BIOPSY FORCEPS.

20+20

- B1. Upper GI Forceps.
- B2. Lower GI Forceps.
- B3. Injection Sclerotherapy Needle.
- B4. Coagulation Profile.
- B5. Stricture Dilatation Assistance.
- B6. Polypectomy Assistance – snare handling.
- B7. Collection of Biopsy specimen.
- B8. Preservation of biopsy specimen.
- B9. Esophageal bands
- B10. Saeed six shooter
- B11. Loading esophageal bands

C . UPPER GI ENDOSCOPY: (Brief Introduction and knowledge) 20+20
Indications and contraindications.

- C1. Indications of therapeutic OGD.
- C2. .Recognition of;
- C3. Esophagus.
- C4. Stomach.
- C5. Duodenum
- C6. Biopsy/Brushing/Aspiration.

D. PRACTICAL

100

- D1. General ward duty
- D2. Patient preparation for procedure
- D3. Machine preparation for procedure
- D4. Operating of equipment / Machine
- D5. Sterilization of instrument used in endoscopy and FRCP.
- D6. Pre and post procedure care and instruction

RECOMMENDED BOOKS:

- 1. Current Diagnosis and Treatment in Gastroenterology by Scott L Friedman
- 2. Practical Gastrointestinal Endoscopy by Colton PB by Oxford Black Well Scientific
- 3. Pharmacology by Shamim
- 4. ERCP in Pediatric Practice Diagnosis and Treatment

REFERENCE BOOKS:

- 1. Gastrointestinal Pathology by Maron Band Dawson IMP by OBW Scientific
- 2. Manual of Clinical Problems and Gastroenterology by Michael M Van Nes

COURSE TITLE: ERCP & LOWER GIT ENDOSCOPY & CLINICAL PRACTICE

STUDY HOURS: 60+160

PAPER: 02

TERM: 4th

THEORY 120

PRACTICAL: 30

TIME: 03HRS

**COURSE CONTENTS STUDY HOURS
(Theory +Practical)**

A. LOWER GI ENDOSCOPY (Brief Introduction) 20+20

Indications and contraindications.

- A1. Sigmoidoscopy.
- A2. Colonoscope
- A3. Bowel preparation.
- A4. Drugs used.
- A5. Colonoscopic anatomy.
- A6. Common pathologies.

B. ERCP.(Brief Introduction and uses) 20+20

- B1. Sedation.
- B2. Drug used for sedation.
- B3. Fluoroscope, fluoroscope handling.
- B4. Indications.
- B5. Contraindications.
- B6. Contrast agents used.
- B7. Concentration of contrast used.
- B8. Therapeutic accessories.

C. RECOGNITION OF ACCESSORIES. 20+20

- C1. Binding catheter.
- C2. Papilotome different types.
- C3. Needle knife.
- C4. Balloons.
- C5. Dormia Basket.
- C6. Identification of hepatobiliary anatomy.
- C7. Anatomy/identification of papilla.
- C8. Biliary drainage.
- C9. Complications.

D. PRACTICAL 100

- D1. General ward duty
- D2. Patient preparation for procedure
- D3. Machine preparation for procedure
- D4. Operating of equipment / Machine

- D5. Sterilization of instrument used in endoscopy and FRCP.
- D6. Pre and post procedure care and instruction

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